WE CLAIM:

1. A method of providing security in a modular personal network (MPN) comprising:

   providing a unique lock value to a user of the MPN,

5   providing the user with an opportunity to download the lock value into a first component of the MPN,

   storing the lock value in secure memory in the first component,

   providing the user with an opportunity to download the lock value into a second component of the MPN,

10   storing the lock value in secure memory in the second component,

   generating a key value in the second component,

   sending the key value to the first component wirelessly,

   using the lock value stored in the secure memory in the first component to validate the key value sent from the second component,

15   accepting a message from the second component to the first component if the key value is validated, and

   rejecting a message from the second component to the first component if the key value is not validated.

20   2. A bridge module that provides a communications bridge between a modular personal network (MPN) and an existing device that was not designed to be part of an MPN comprising:

   a wireless transceiver for communicating with other modules in the MPN,

   a connection port configured to be compatible with a communication port on

25   the existing device to establish a communication path between the bridge module and the existing device,

   a memory configured to hold software,

   a software application configured to be stored in the memory and designed to allow communication between the bridge module and the existing device,

30   and

a processor to execute the software application.

3.   A jewelry individual network component comprising:

a wireless transceiver configured to send data to and receive data from other individual network components in a modular personal network,

circuitry to provide a specific function for the modular personal network,

a mount configured to allow a user to wear the component, and

an integrated item of jewelry selected from an earring, an item of body jewelry, a pendant, a necklace, a ring, a brooch, a pin, a cufflink, a tie tack, a tuxedo stud, a barrette, a hairpin, a hair accessory, a belt buckle, a bracelet, or an ankle bracelet.

4.   An earring speaker comprising:

a mount configured to be worn in a pierced ear,

a wireless receiver for receiving audio information, and

a speaker for playing the audio information.

5.   An earring antenna comprising:

a mount configured to be worn in a user's pierced ear,

an antenna for receiving radio frequency signals,

a demodulator for processing the received signals,

a modulator for converting the processed signals, and

a wireless transmitter for sending the converted signals to another device worn by the user.

6.   A ring individual network component comprising:

a ring configured to be worn around a user's finger,

a communications device selected from the group consisting of a wireless transmitter, a wireless receiver, and a wireless transceiver, configured to

communicate with a second individual network component worn by the user, and

a circuitry selected form the group consisting of a pushbutton, a microphone, a digital camera, a pulse oximeter, a heart rate sensor, a blood pressure

5   sensor, and a display,

wherein a function of the circuit is provided to the second individual network component.

7.   A modular jewelry system comprising:

10   a base unit configured to be worn by a user and comprising:

a communications bus, and

one or more function circuits selected from the group consisting of a power source, a power bus, a security subsystem, a processor, a memory, a personal computer communication port, a wireless transmitter, and a

15   wireless receiver,

a plurality of mounts,

a plurality of individual jewelry components,

wherein each of the plurality of individual jewelry components is configured to connect to the base unit using one of the plurality of mounts, and

20   wherein the mount provides an electrical connection between the individual jewelry component and the communication bus to thereby provide access between the individual jewelry components and the one or more function circuits.

25   8.   A mobile wildlife recognition and logging system configured to be worn or carried by a user comprising:

a digital camera to capture a wildlife still image,

a first memory to store the captured wildlife still image,

a second memory to store a library of wildlife still images, and

30   a processor that is configured to compare the captured wildlife image in the

first memory with wildlife still images in the library in the second memory,

wherein the system is additionally configured to store a record of matched wildlife images in the first memory.

9.   A music collaboration system comprising:

a first plurality of devices configured to be worn or carried by a first musician, each of which comprises a wireless transceiver and provides a music-related function to the first musician,

a second plurality of devices configured to be worn or carried by a second musician, each of which comprises a wireless transceiver and provides a music-related function to the second musician,

a communications device that is configured to communicate wirelessly with at least one of the first plurality of devices and at least one of the second plurality of devices,

wherein the communications device is configured to perform a function selected from a group comprising synchronization of the musicians, mixing of music generated by the musicians, and recording the music generated by the musicians.